WORK SHEET FOR COMPACTION AND PENETRATION RESISTANCE DATA

Project _____ Site _____ Sample No. _____

Compaction Data						
1. Weight of cylinder plus moist soil _____ (lb)						
2. Weight of cylinder _____ (lb)						
3. Weight of moist soil=①−② _____ (lb)						
4. Wet density[1] =③/volume of cylinder ___(lb/ft^3)						
5. Dry density[1] =(④x100)/(100+⑨) ____(lb/ft^3)						
6. Proctor Needle reading _____						
7. Size of needle _____ (in.^2)						
8. Penetration resistance[1] =⑥/⑦ ____(lb/in.^2)						

Moisture Determination Data						
9. Moisture content[1] =(⑬ / ⑮)100 _____ (%)						
10. Container No. _____						
11. Weight of container plus moist soil _____ (g)						
12. Weight of container plus dry soil _____ (g)						
13. Weight of moisture= ⑪ − ⑫ _____ (g)						
14. Weight of container _____ (g)						
15. Weight of dry soil= ⑫ − ⑭ _____ (g)						

Volume of cylinder, _____ft^3, using: ASTM or other standaard_____, method _____
Procedure data: weight of hammer _____lb, drop _____in., number of lifts _____

Completed by _____ date _____ Computed by _____ date _____
Checked by _____ date _____ Recorded by _____ date _____

[1] Density, penetration resistance, and moisture content values (No. 4, 5, 8, 9) are plotted on Form NRCS—ENG—352.